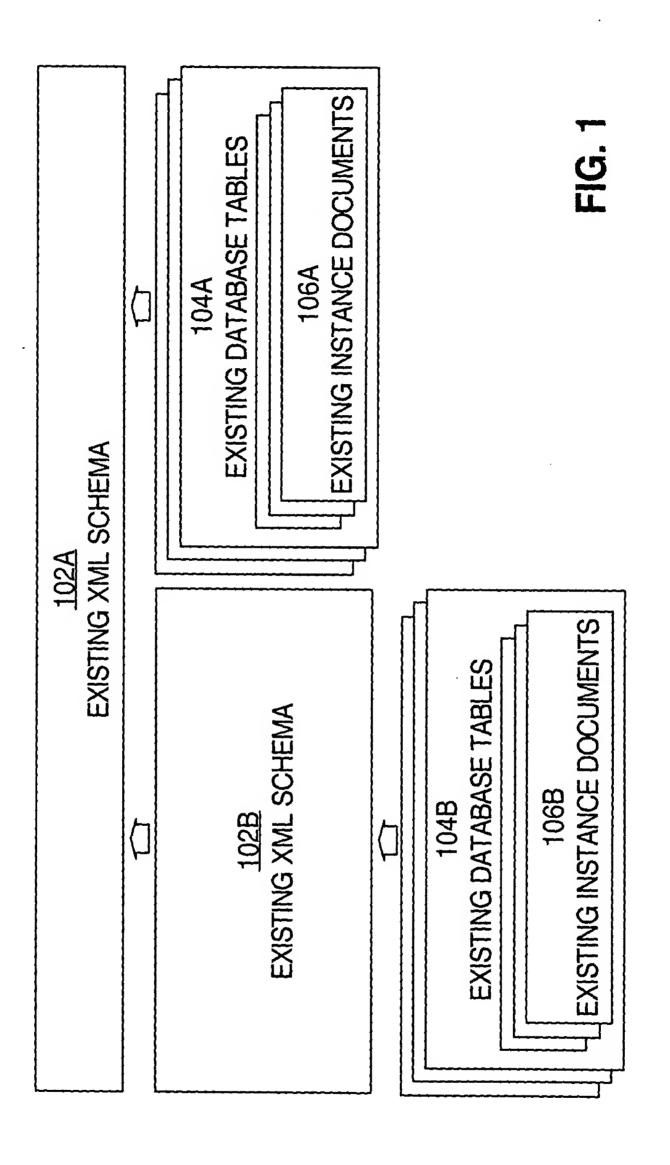
Title: Mechanism To Enable Evolving XML Schema

Inventor(s): Sam Idicula, et al.
Date: August 25, 2003
Docket No: 50277-2238 Express Mail No. EV322192447US Sheet 1 of 6

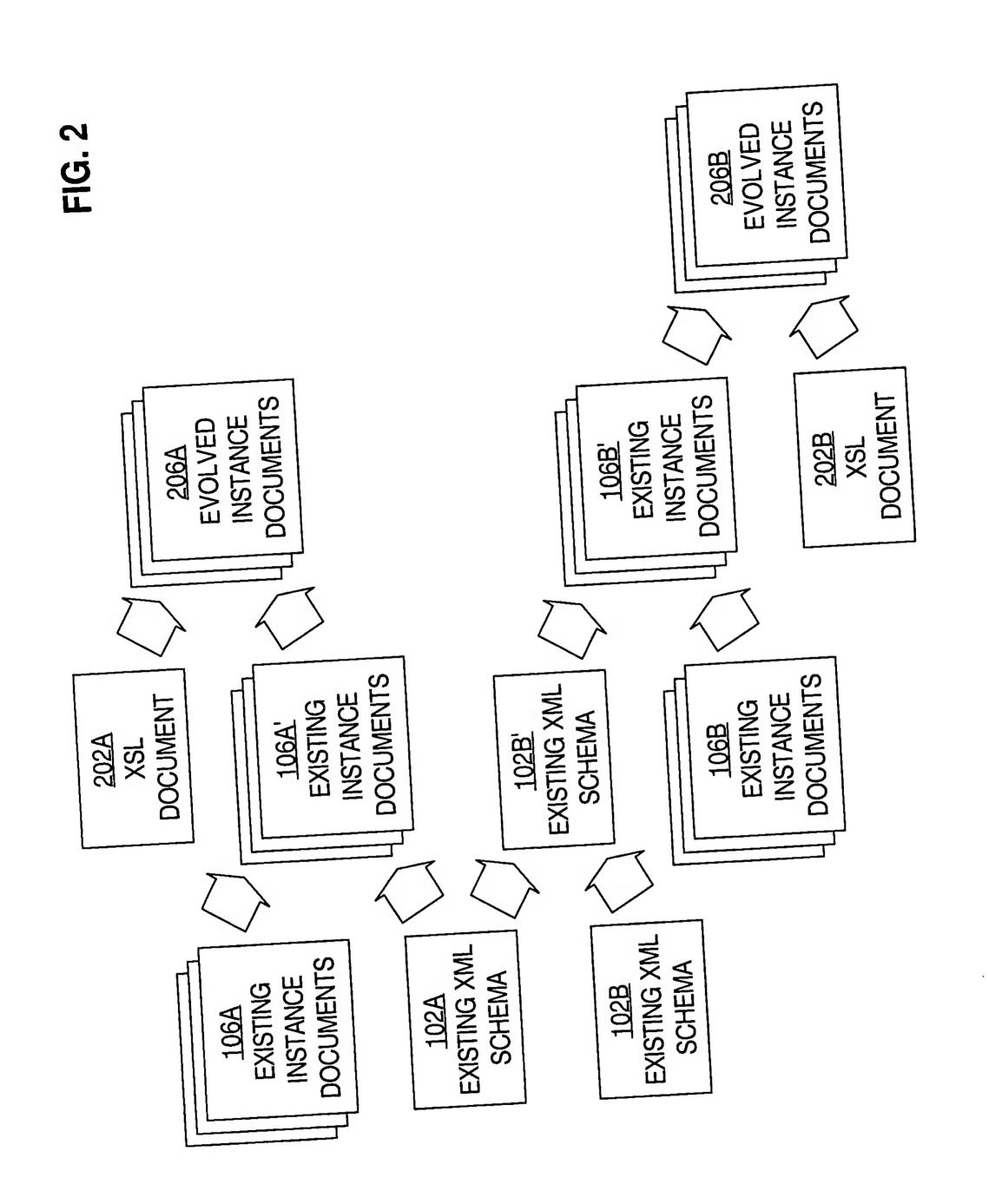


Mechanism To Enable Evolving XML Schema Title:

Inventor(s): Sam Idicula, et al.

Date: August 25, 2003 Docket No: 50277-2238

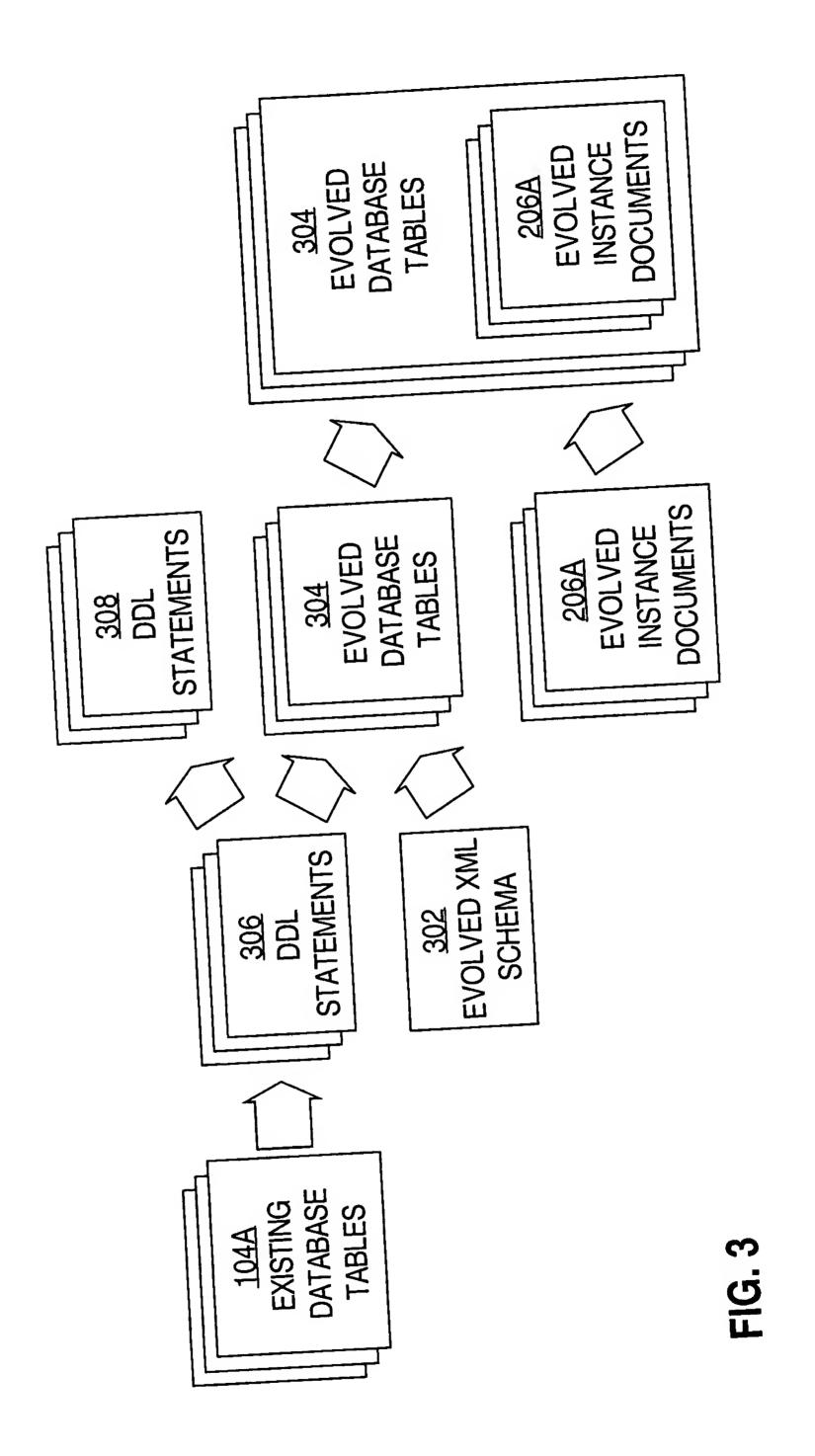
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Inventor(s): Sam Idicula, et al.

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Title: Mechanism To Enable Evolving XML Schema

Inventor(s): Sam Idicula, et al.

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402

RECEIVE IDENTITIES OF EXISTING XML SCHEMAS, IDENTITIES OF EVOLVED XML SCHEMAS, AND REFERENCES TO SETS OF TRANSFORMATIONS



404

IDENTIFY SUBORDINATE XML SCHEMAS



406

CHANGE SUBORDINATE XML SCHEMAS INTO NON-SUBORDINATE XML SCHEMAS



408

IDENTIFY CONTENT MANAGEMENT SYSTEM STRUCTURES THAT DEPEND ON THE EXISTING XML SCHEMAS



410

READ EXISTING INSTANCE DOCUMENTS FROM THE CONTENT MANAGEMENT SYSTEM STRUCTURES



412

GENERATE XML-SCHEMA-INDEPENDENT INSTANCE DOCUMENTS BASED ON THE EXISTING XML SCHEMAS AND THE EXISTING INSTANCE DOCUMENTS



414

GENERATE EVOLVED INSTANCE DOCUMENTS BASED ON THE XML-SCHEMA-INDEPENDENT INSTANCE DOCUMENTS AND THE SETS OF TRANSFORMATIONS

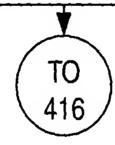


FIG. 4A

Express Mail No. EV322192447US Date: August 25, 2003 Docket No: 50277-2238 Sheet 5 of 6 FROM FIG. 4B 414 400 416 GENERATE "EVOLVE" DDL STATEMENTS 418 GENERATE CORRESPONDING "ROLLBACK" DDL STATEMENTS 420 DELETE THE EXISTING XML SCHEMAS 422 DROP THE IDENTIFIED CONTENT MANAGEMENT SYSTEM STRUCTURES 424 REGISTER THE EVOLVED XML SCHEMAS 426 EXECUTE "EVOLVE" DDL STATEMENTS, THEREBY CREATING EVOLVED CONTENT MANAGEMENT SYSTEM STRUCTURES 428 HAS AN ERROR OCCURRED WITH REGARD YES TO THE EXECUTION OF THE "EVOLVE" DDL STATEMENTS? **▼**NO 430 POPULATE THE EVOLVED CONTENT MANAGEMENT SYSTEM STRUCTURES WITH VALUES INDICATED IN THE EVOLVED INSTANCE DOCUMENTS 432 EXECUTES AS MANY OF THE "ROLLBACK" DDL STATEMENTS AS ARE NECESSARY TO REVERSE THE EFFECTS OF THE ALREADY EXECUTED

"EVOLVE" DDL STATEMENTS

Mechanism To Enable Evolving XML Schema

Title:

Inventor(s): Sam Idicula, et al.

Mechanism To Enable Evolving XML Schema Title:

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